

Contents

Chapter	Page No.
Abstract	i
Introduction	1-6
Objectives	7
Review of Literature	8-13
Materials and Methods	
Results and Discussion	17-43
Comparison of mutations for TLR genes in the Study Population	
Comparison of Mutation frequency among the studied ethnicities	
Comparison of Promoter Sequence variation of our Study Population in comparison to Sequence available in Gen Bank	
Comparison of the Gene Frequencies of the three TLR SNPs with the world population	
Assessment of Expression Level of TLR genes in Cancer and Control Participants by RT-PCR method	
Conclusion	44
Future Prospects	45
Bibliography	46-47

List of Abbreviations used

TLR	Toll Like Receptors
SNP	Single Nucleotide Polymorphism
IFN	Interferon
IL	Interleukin
DC	Dendritic Cells
PCR	Polymerase Chain Reaction
RT-PCR	Real-Time Polymerase Chain Reaction
RFLP	Restriction Fragment Length Polymorphism
TB	Tibeto- Burmans
AA	Austro-Asiatic
Be	Bengali
Ot	Others